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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page for STN Seminar Schedule - N. America

NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present

NEWS 3 NOV 26 MARPAT enhanced with FSORT command

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NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS

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NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data

NEWS 11 FEB 02 Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE

NEWS 12 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING

NEWS 13 FEB 06 Patent sequence location (PSL) data added to USGENE

NEWS 14 FEB 10 COMPENDEX reloaded and enhanced

NEWS 15 FEB 11 WTEXTILES reloaded and enhanced

NEWS 16 FEB 19 New patent-examiner citations in 300,000 CA/Cplus patent records provide insights into related prior art

NEWS 17 FEB 19 Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01

NEWS 18 FEB 23 Several formats for image display and print options discontinued in USPATFULL and USPAT2

NEWS 19 FEB 23 MEDLINE now offers more precise author group fields and 2009 MeSH terms

- NEWS 20 FEB 23 TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
- NEWS 21 FEB 23 Three million new patent records blast AEROSPACE into STN patent clusters
- NEWS 22 FEB 25 USGENE enhanced with patent family and legal status display data from INPADOCDB
- NEWS 23 MAR 06 INPADOCDB and INPAFAMDB enhanced with new display formats

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 10:32:07 ON 10 MAR 2009

=> FILE REGISTRY
 COST IN U.S. DOLLARS

| ENTRY | SINCE FILE
SESSION | TOTAL |
|---------------------|-----------------------|-------|
| FULL ESTIMATED COST | 0.22 | 0.22 |

FILE 'REGISTRY' ENTERED AT 10:32:25 ON 10 MAR 2009
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STRUCTURE FILE UPDATES: 8 MAR 2009 HIGHEST RN 1117698-24-4
DICTIONARY FILE UPDATES: 8 MAR 2009 HIGHEST RN 1117698-24-4

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=> S LQDNPQEVIK/SQEP
 1 LQDNPQEVIK/SQEP
 191593 SQL=10
L1 1 LQDNPQEVIK/SQEP
 (LQDNPQEVIK/SQEP AND SQL=10)

=> D L1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN 672285-10-8 REGISTRY
ED Entered STN: 07 Apr 2004
CN L-Lysine, L-leucyl-L-glutaminyl-L-a-aspartyl-L-asparaginyl-L-prolyl-
 L-glutaminyl-L-a-glutamyl-L-valyl-L-isoleucyl- (9CI) (CA INDEX
 NAME)
OTHER NAMES:
CN 1: PN: EP1398321 SEQID: 1 claimed sequence
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C51 H86 N14 O18
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

I REFERENCES IN FILE CA (1907 TO DATE)
I REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FILE CAPLUS

| COST IN U.S. DOLLARS | ENTRY | SINCE FILE SESSION | TOTAL |
|----------------------|-------|--------------------|-------|
| FULL ESTIMATED COST | | 11.14 | 11.36 |

FILE 'CAPLUS' ENTERED AT 10:34:01 ON 10 MAR 2009

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FILE COVERS 1907 - 10 Mar 2009 VOL 150 ISS 11

FILE LAST UPDATED: 9 Mar 2009 (20090309/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> FILE USPATFULL

| COST IN U.S. DOLLARS | ENTRY | SINCE FILE SESSION | TOTAL |
|----------------------|-------|--------------------|-------|
| FULL ESTIMATED COST | | 0.50 | 11.86 |

FILE 'USPATFULL' ENTERED AT 10:34:13 ON 10 MAR 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 10 Mar 2009
(20090310/PD)

FILE LAST UPDATED: 10 Mar 2009 (20090310/ED)

HIGHEST GRANTED PATENT NUMBER: US7503077

HIGHEST APPLICATION PUBLICATION NUMBER: US20090064384

CA INDEXING IS CURRENT THROUGH 10 Mar 2009 (20090310/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 10 Mar 2009 (20090310/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2008

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2008

USPATFULL now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

=> S L1
L2 I L1

=> D BIB AB

L2 ANSWER 1 OF 1 USPATFULL on STN

AN 2009:12967 USPATFULL <<LOGINID::20090310>>

TI Forisomes, Method for Their Isolation, and Their Use as a Molecular Working Machine

IN Knoblauch, Michael, Butzbach, GERMANY, FEDERAL REPUBLIC OF
Prufer, Dirk, Koln, GERMANY, FEDERAL REPUBLIC OF

PA FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER
ANGEWANDTEN FORSCHUNG e.V.,

Munchen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

PI US 20090012262 A1 20090108

AI US 2003-605104 A1 20030909 (10)

PRAI DE 2002-10241681 20020909

DT Utility

FS APPLICATION

LREP GUDRUN E. HUCKETT DRAUDT, SCHUBERTSTR. 15A, WUPPERTAL,
42289, DE

CLMN Number of Claims: 20

ECL Exemplary Claim: 1

DRWN 7 Drawing Page(s)

LN.CNT 812

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A protein body derivable from Fabaceae has a reversible, anisotropic contractability such that the protein body becomes thicker perpendicular to a longitudinal axis of the protein body and shorter along the longitudinal axis of the protein body when increasing a calcium ion concentration in a medium surrounding the protein body past a threshold value of 30 nM. The protein body becomes thinner perpendicular to the longitudinal axis and longer along the longitudinal axis when decreasing

the calcium ion concentration below the threshold value of 30 nM. Also, the protein body becomes thicker in the direction perpendicular to the longitudinal axis when increasing a pH value of a medium surrounding the protein body to a value above 9.5 without becoming shorter along the longitudinal axis. The protein body becomes thinner in the direction perpendicular to the longitudinal axis without becoming longer decreasing the pH value below 9.5.

=> FILE REGISTRY

| COST IN U.S. DOLLARS | ENTRY | SINCE FILE SESSION | TOTAL |
|----------------------|-------|--------------------|-------|
| FULL ESTIMATED COST | | 3.75 | 15.61 |

FILE 'REGISTRY' ENTERED AT 10:35:05 ON 10 MAR 2009

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DICTIONARY FILE UPDATES: 8 MAR 2009 HIGHEST RN 1117698-24-4

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=> S EVTSV/SQEP
1 EVTSV/SQEP
84198 SQL=5
L3 1 EVTSV/SQEP
(EVTSV/SQEP AND SQL=5)

=> FILE CAPLUS

| COST IN U.S. DOLLARS | ENTRY | SINCE FILE SESSION | TOTAL |
|----------------------|-------|--------------------|-------|
| FULL ESTIMATED COST | | 8.13 | 23.74 |

FILE 'CAPLUS' ENTERED AT 10:35:43 ON 10 MAR 2009
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FILE COVERS 1907 - 10 Mar 2009 VOL 150 ISS 11
FILE LAST UPDATED: 9 Mar 2009 (20090309/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L3
L4 1 L3

=> D BIB AB

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:213310 CAPLUS <<LOGINID::20090310>>
DN 140:266527
TI Calcium-dependent contractile protein complexes from plants as molecular machines
IN Knoblauch, Michael; Pruefer, Dirk
PA Fraunhofer-Gesellschaft zur Foerderung der Angewandten Forschung e.V.,
Germany

SO Eur. Pat. Appl., 22 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN,CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------------------------------------------------------------------------------------------------------------------------------|------|----------|------------------|----------|
| PI EP 1398321 | A1 | 20040317 | EP 2003-20183 | 20030905 |
| EP 1398321 | B1 | 20060405 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| DE 10241681 | A1 | 20040325 | DE 2002-10241681 | 20020909 |
| AT 322504 | T | 20060415 | AT 2003-20183 | 20030905 |
| US 2009001226 | A1 | 20090108 | US 2003-605104 | 20030909 |
| PRAI DE 2002-10241681 | A | 20020909 | | |

AB Protein complexes from plant, called forisomes, that form elongated structures that contract along the long axis in an ATP-independent manner in the presence of calcium are described. These complexes can also expand along the short axis at an elevated pH (9.5). The complexes obtained from members of the Fabaceae are crystalloids of the P protein of the phloem. Isolation of the complex from the phloem of 7-8 wk seedlings of Vicia faba by equilibrium centrifugation in Nycodenz is demonstrated.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> FILE REGISTRY

| COST IN U.S. DOLLARS | ENTRY | SINCE FILE SESSION | TOTAL |
|----------------------|-------|--------------------|-------|
| FULL ESTIMATED COST | | 4.00 | 27.74 |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE |
|--------------------------------------------|------------|
| TOTAL | |

| ENTRY | SSESSION |
|---------------------|-------------|
| CA SUBSCRIBER PRICE | -0.82 -0.82 |

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DICTIONARY FILE UPDATES: 8 MAR 2009 HIGHEST RN 1117698-24-4

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<http://www.cas.org/support/stndgen/stndoc/properties.html>

=> S VMEVSWHYK/SQEP
1 VMEVSWHYK/SQEP
150899 SQL=9
L5 1 VMEVSWHYK/SQEP
(VMEVSWHYK/SQEP AND SQL=9)

=> S ATDP/SQEP
1 ATDP/SQEP
83707 SQL=4
L6 1 ATDP/SQEP
(ATDP/SQEP AND SQL=4)

=> FILE CAPLUS
 COST IN U.S. DOLLARS

| ENTRY | SINCE FILE
SESSION | TOTAL |
|---------------------|-----------------------|-------|
| FULL ESTIMATED COST | 16.26 | 44.00 |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILED |
|--------------------------------------------|-----------------------------|
| TOTAL | |
| CA SUBSCRIBER PRICE | ENTRY SESSION
0.00 -0.82 |

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FILE COVERS 1907 - 10 Mar 2009 VOL 150 ISS 11

FILE LAST UPDATED: 9 Mar 2009 (20090309/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L5
L7 1 L5

=> D BIB AB

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:213310 CAPLUS <<LOGINID::20090310>>
DN 140:266527
TI Calcium-dependent contractile protein complexes from plants as molecular machines
IN Knoblauch, Michael; Pruefer, Dirk
PA Fraunhofer-Gesellschaft zur Foerderung der Angewandten Forschung e.V., Germany
SO Eur. Pat. Appl., 22 pp.
CODEN: EPXXDW
DT Patent
LA German
FAN,CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI EP 1398321 A1 20040317 EP 2003-20183 20030905
EP 1398321 B1 20060405
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
DE 10241681 A1 20040325 DE 2002-10241681 20020909

AT 322504 T 20060415 AT 2003-20183 20030905
US 20090012262 A1 20090108 US 2003-605104 20030909

PRAI DE 2002-10241681 A 20020909

AB Protein complexes from plant, called forisomes, that form elongated structures that contract along the long axis in an ATP-independent manner in the presence of calcium are described. These complexes can also expand along the short axis at an elevated pH (9.5). The complexes obtained from members of the Fabaceae are crystalloids of the P protein of the phloem. Isolation of the complex from the phloem of 7-8 wk seedlings of Vicia faba by equilibrium centrifugation in Nycodenz is demonstrated.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> S L6
L8 1 L6

=> D BIB AB

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:213310 CAPLUS <<LOGINID::20090310>>
DN 140:266527
TI Calcium-dependent contractile protein complexes from plants as molecular machines
IN Knoblauch, Michael; Pruefer, Dirk
PA Fraunhofer-Gesellschaft zur Foerderung der Angewandten Forschung e.V., Germany
SO Eur. Pat. Appl., 22 pp.
CODEN: EPXXDW
DT Patent
LA German
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------------------|----------|
| PI EP 1398321 | A1 | 20040317 | EP 2003-20183 | 20030905 |
| EP 1398321 | B1 | 20060405 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
DE 10241681 | A1 | 20040325 | DE 2002-10241681 | 20020909 |
| AT 322504 | T | 20060415 | AT 2003-20183 | 20030905 |
| US 20090012262 | A1 | 20090108 | US 2003-605104 | 20030909 |

PRAI DE 2002-10241681 A 20020909

AB Protein complexes from plant, called forisomes, that form elongated structures that contract along the long axis in an ATP-independent manner in the presence of calcium are described. These complexes can also expand

along the short axis at an elevated pH (9.5). The complexes obtained from members of the Fabaceae are crystalloids of the P protein of the phloem. Isolation of the complex from the phloem of 7-8 wk seedlings of *Vicia faba* by equilibrium centrifugation in Nycofenz is demonstrated.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> LOGOFF Y

STN INTERNATIONAL LOGOFF AT 10:38:20 ON 10 MAR 2009